

# Ethanol

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Corn Marketing Program of Michigan  
&  
Michigan Corn Growers Association  
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# Ethanol

- The basics
  - 1 bushel corn = 2.8 gallons ethanol
  - Fermented corn = 200 proof alcohol



# Ethanol Usage

- Ethanol Usage & Markets
  - Current Uses
    - E-10
    - E-85



# State Ethanol Utilization

## Michigan

- Michigan - 5 billion gallons of gas
- 10% blend = 500 million gallons of ethanol



# State Ethanol Utilization

- Increased Michigan Usage
  - '99 29 million gallons
  - '00 70 million gallons
  - '01 80 million gallons
  - '02 120 million gallons
  - '03 150 million gallons



# State Ethanol Utilization

- Ethanol Usage & Markets
  - Current Uses
    - E-10
    - E-85



# E-85 Utilization

- Ethanol Vehicles
  - **Daimler Chrysler**
    - Dodge Ram Pickup 1500 Series, 2.7L Dodge Stratus Sedan, 2.7L Chrysler Sebring Sedan
  - **Ford Motor Company**
    - 5.4L Ford F-150, 4.6L Lincoln Town Car, 4.0L Explorer, 3.0L Taurus sedan
  - **General Motors**
    - 3.5L Chevy Impala, 3.5L Chevy Monte Carlo, 5.3L Vortec-engine Avalanche
  - Isuzu, Mazda, Mercedes, Mercury, Nissan
  - Visit [www.e85fuel.com](http://www.e85fuel.com)



# E-85 Pumps

- Ethanol Fuel Pumps

- Peterson Oil

- 6360 Greenville Road  
Greenville, MI 48838

- Citgo Southfield

- 29009 Northwestern Highway  
Southfield, MI 48034

- Citgo Dearborn Heights

- 8438 Telegraph Road  
Dearborn Heights, MI 48127

- Lenawee County

- 4021 South Adrian Highway  
Adrian, MI 49221

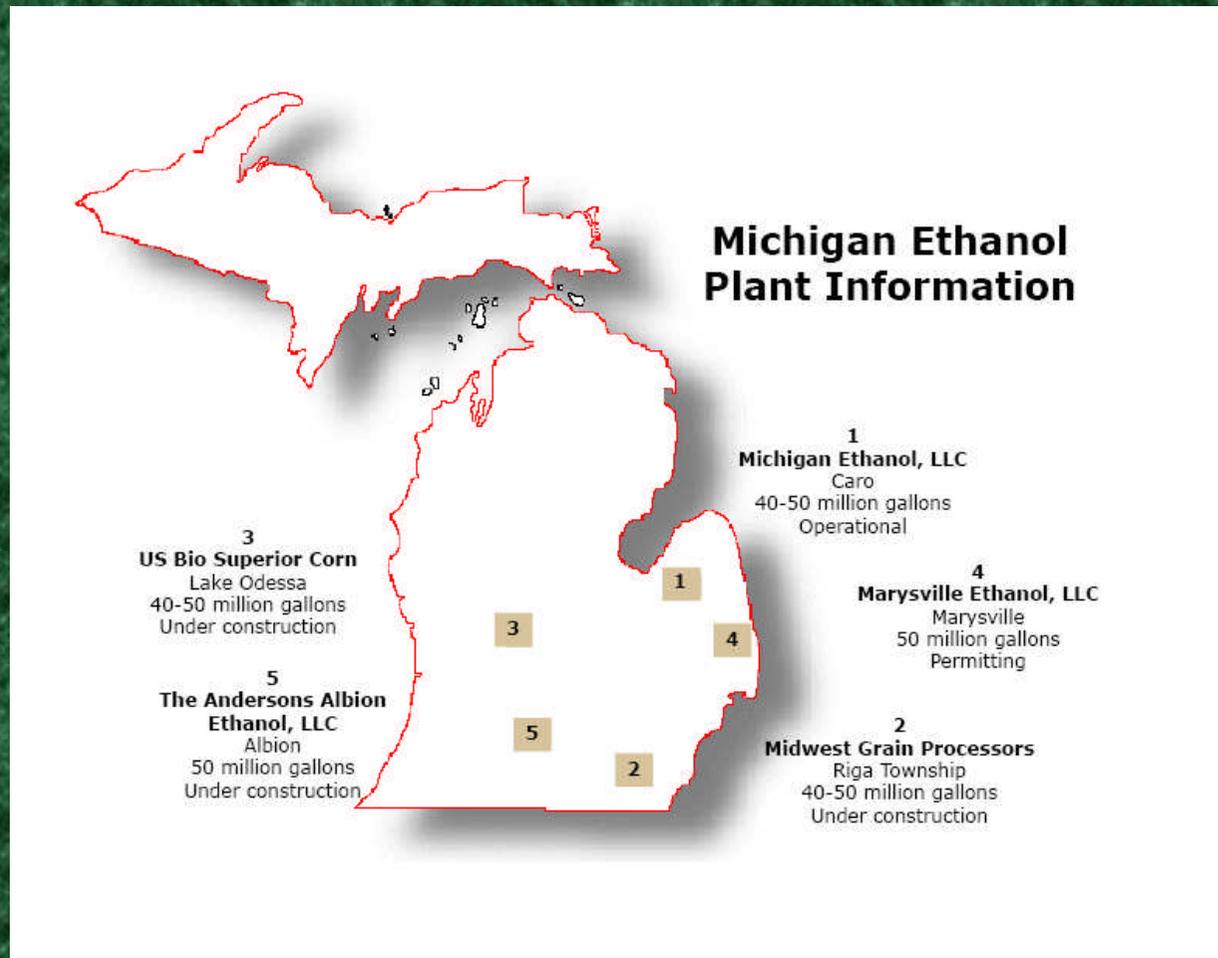


# Future Ethanol Utilization

- E-diesel
- Fuel cells
- Aviation ethanol



# State Ethanol Production



# Future Ethanol Production

Plant	Annual Ethanol Production
Michigan Ethanol, LLC	40
Midwest Grain Processors, LLC	57
US Bio Energy Superior Corn	45
The Andersons Albion Ethanol, LLC	50
Marysville Ethanol, LLC	50

**Total 242 million gallons**



# Ethanol Production

- 40 million gallon plant
  - Economics
    - During construction \$100 million to economy
    - 40 million gallon nameplate capacity, which is a minimum
    - 15-17 million bushels of corn
    - 35-41 jobs
    - Narrowed/closed bases



# Thanks

- Corn Marketing Program of Michigan
- Michigan Corn Growers Association

1-888-323-6601

or

[www.micorn.org](http://www.micorn.org)

